LPTC801 – 8-CHANNEL DIMMING CONSOLE

1. Introduction

Thank you for buying the LPTC801 ! Please read the manual carefully before bringing this device into service.
This device features 8 channels with LED indication, 8 flash buttons + 1 master flash button, a programmable chaser, a master/slave function, a blackout function and music-controlled operation through a built-in microphone or via an external signal.
Make sure that the device was not damaged in transit. If the device is damaged, you should contact your dealer and postpone installation of this device.

2. Safety Instructions

Be very careful when installing the device : touching live wires can cause life-threatening electroshocks.

Do not touch the device during operation as the housing heats up

Protect this device against rain and moisture

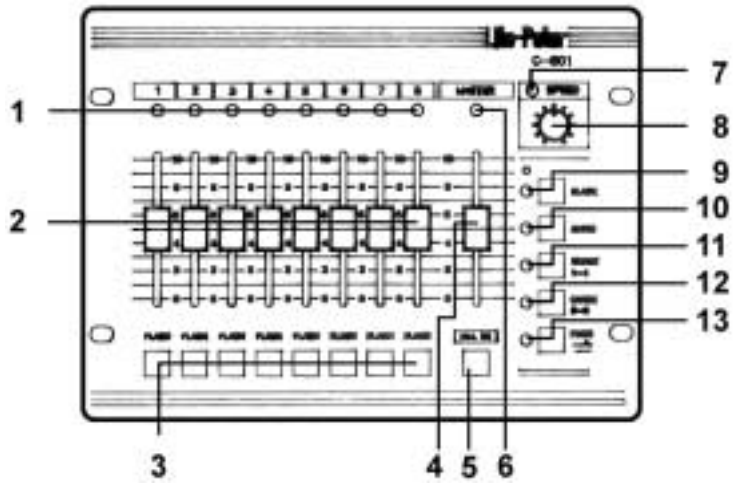
Unplug the supply cable before you open the housing

- A qualified technician should install and service this device.
- Damages caused by disregarding certain guidelines in this manual are not covered by the warranty and the dealer will not accept responsibility for the ensuing defects or problems.
- do not switch the device on immediately if it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- This device falls under protection class III.
- make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.
- Do not crimp the power cord and protect it against damage from sharp edges. Ask an authorised dealer to replace the cord if necessary.
- Always disconnect the device from the mains when it is not in use or when you wish to clean it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- Do not look directly into the light source as sensitive people may go into epileptic seizure if they do.
- Be aware that damages caused by user modifications to the device are not covered by the warranty. Keep the device away from children and unauthorised users.

3. General Guidelines

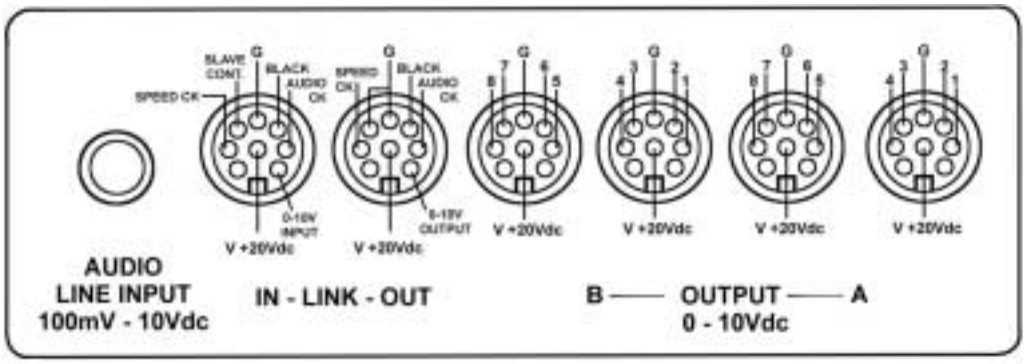
- This device is a light controller for professional use on stages, in discos, theatres, etc. This device should only be operated with a direct current of 20Vdc supplied by a dimmer pack e.g. LPTP406. This device is designed for indoor use only.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Select a location where the device will be protected against extreme heat, moisture and dust.
- Do not use or transport the device under temperatures < 5°C or > 35°C.
- Familiarise yourself with the functions of the device before actually using it. Do not permit operation by unqualified people. Any damage that may occur, will probably be due to unprofessional use of the device.
- Use the original packaging if the device is to be transported.
- Note that all modifications of the device are forbidden for safety reasons.
- Do not remove the serial number sticker from the device as doing so will void the warranty. Only use the device for its intended purpose. All other uses may lead to short-circuits, burns, electroshocks, lamp explosion, crash, etc. Using the device in an unauthorised way will void the warranty.

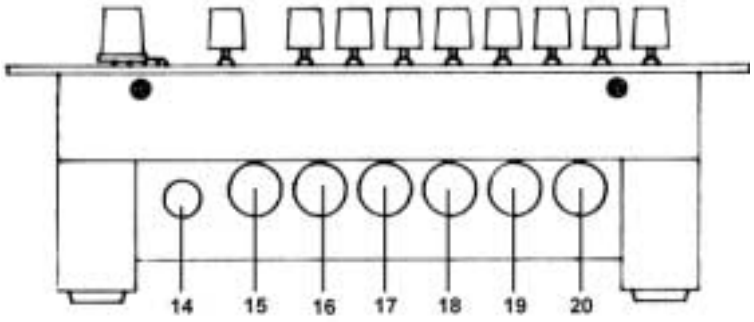
4. Front & Back Panel Description



1. LED indicators for each channel.
2. Dimmer slider per channel
3. FLASH buttons : push button per channel to set that channel to 100%
4. MASTER FADER : sets the output level for all channels
5. FULL-ON button : sets all channels to 100%
6. MASTER LED : indication LED for master dimming control
7. SPEED LED : indicates operation through the built-in microphone.
8. Chaser speed adjustment
9. BLACK button + LED indicator : all channels to 0%
10. AUDIO button + LED indicator : activates music-controlled operation.
11. CHASE button 1-4 + LED indicator : activation of chaser for channels 1 through 4.
12. CHASE button 5-8 + LED indicator : activation of chaser for channels 5 through 8.
13. PROG button + LED indicator : for programming the output power of the channels or reversing the chaser direction.
    Function : set the master fader on 100% and adjust the individual channels to the desired output power. Hold the PROG button for ± 1 second until the LED lights up if you want to

programme a setting. From then on the settings are programmed. While in chaser mode, press the button momentarily to reverse the direction of the chaser.





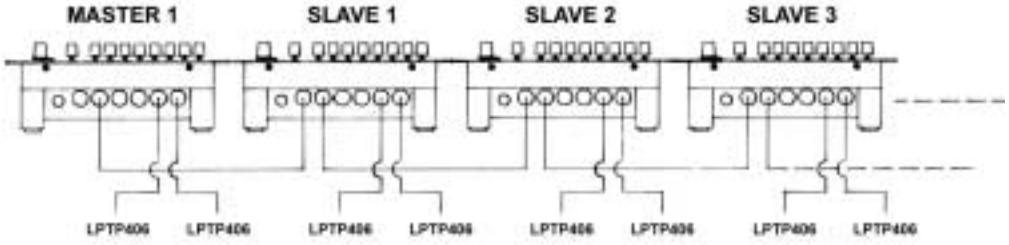
14. External audio input 6.35mm for mono jack.
15. 8-pin DIN link input socket.
16. 8-pin DIN link output socket.
17. 8-pin DIN socket for output B (channels 5-8).
18. 8-pin DIN socket for output B (channels 1-4).
19. 8-pin DIN socket for output A (channels 5-8).
20. 8-pin DIN socket for output A (channels 1-4).

5. Connections

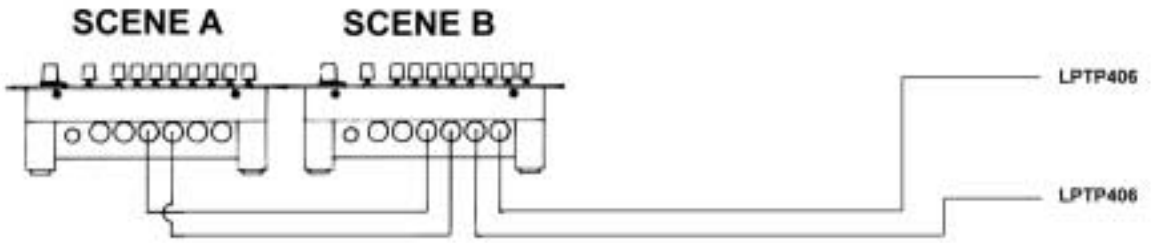
The manufacturer or dealer will not be held responsible for damage caused by improper connections. Connect the device to an appropriate dimmer/power pack (LPTP406) by connecting the 8-pin DIN output A (channels 1 - 4 or channels 5 – 8) with the 8-pin DIN input connection of the dimmer pack.
Connect your power packs to the sockets of output A and/or B.
The music control is achieved through the built-in microphone. However, you can connect an external signal through the 6.35mm mono jack socket at the back of the device.

Connecting several LPTC801's

Master/Slave Connection



Connect the link output of the master with the link input of the first slave. Next, connect the link output of the first slave with the link input of the next slave, etc.



By connecting two LPTC801's (see above) it is possible to make a small 8-channel 19" theatre console with 2 presets. Just screw the 2 panels together to get a 19" panel. Connect both output B sockets from the first device to the output B sockets of the second one. Connect the A-outputs of the second panel to the dimmer packs.

6. Operating Instructions

Use the slide controls to dim each channel, use the master slide control to dim all the channels at once. Push the flash buttons to put individual channels to 100% immediately or the FULL-ON button to put all channels to 100% output. Use the BLACK button to dim all the channels. Choose with the chaser button which channels are included in the chase sequence. Adjust chaser speed by turning the knob. Press the AUDIO button to make the chaser music-controlled. Reverse the chaser direction by pushing the PROG button.

7. Cleaning and Maintenance

1. All screws should be tightened and free of corrosion.
2. The housing, mounting supports and connections should not be modified or tampered with e.g. do not drill extra holes in mounting supports, do not change the location of the connections, …
3. The electric power supply cables should be undamaged. Have this device installed by a qualified technician.

8. Caution

- Disconnect the device from the mains prior to maintenance.
- Use a moist cloth to clean the device and avoid the use of alcohol or solvents for cleaning purposes.
- This device does not contain any user-serviceable parts. Replace a blown fuse with an identical one.
- Spare parts should be ordered with your local dealer.

9. Technical Specifications

Power Supply	20Vdc through power/dimmer pack (LPTP406 or LPTDX625)
Link Connection	8-pin DIN socket
Analogue Output Connection	2 x 8-pin DIN socket, 8 channels (0-10Vdc)
Additional Output Connections	2 x 8-pin DIN socket, 8 channels (0-10Vdc)
Music Control	built-in microphone or external 6.35mm mono jack socket (100mV)
Dimensions	240 x 176 x 90mm
Weight	1.4kg

The information in this manual is subject to change without prior notice.